## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application: LISTING OF CLAIMS:

1. (previously presented): A plane light source unit comprising:

a light pipe including an upper surface, a lower surface, and an incidence side surface, and including a light output means formed in said upper surface so that light incident on said incidence side surface exits from said lower surface through said light output means while light incident on said lower surface is transmitted through said upper surface; and

a linear light source disposed on said incidence side surface of said light pipe, said linear light source having an effective light emission region which is longer than a longitudinal length of said incidence side surface,

whereby information light generated on the lower surface of said light pipe is transmitted and made visible through the upper surface of said light pipe.

2. (currently amended): A plane light source unit according to claim 1, wherein: A plane light source unit comprising:

a light pipe including an upper surface, a lower surface, and an incidence side surface, and including a light output means formed in said upper surface so that light incident on said incidence side surface exits from said lower surface through said light output means while light incident on said lower surface is transmitted through said upper surface; and

a linear light source disposed on said incidence side surface of said light pipe, said linear light source having an effective light emission region which is longer than a longitudinal length of said incidence side surface,

whereby information light generated on the lower surface of said light pipe is transmitted and made visible through the upper surface of said light pipe, and

wherein said light output means of said light pipe has a repetitive structure of prism-like irregularities arranged at intervals of a pitch in a range of from 50  $\mu$ m to 1.0 mm, each of said prism-like irregularities being constituted by a combination of a short side surface and a long side surface;

said short side surface is made of a slope inclined down from said incidence side surface toward an end side opposite to said incidence side surface at an inclination angle in a range of from 30 to 45 degrees with respect to a reference plane of said lower surface; and

said long side surface is made of a slope having an inclination angle in a range of from 0 to 10 degrees with respect to said reference plane, so that a difference between the inclination angles is not larger than 5 degrees as a whole, the difference between the inclination angles of adjacent long side surfaces is not larger than 1 degree, and a projected area of said long side surface on said reference plane is not smaller than five times as large as that of said short side surface.

3. (original): A plane light source unit according to claim 2, wherein said prism-like irregularities constituting said light output means of said light pipe have ridgelines each having

an inclination in a range of ±30 degrees with respect to a reference plane of said incidence side surface.

4. (previously presented): A plane light source unit according to claim 3, wherein each end of said effective light emission region of said linear light source protrudes by a distance not smaller than a value calculated by an expression:  $1 \text{ mm} + d \cdot \sin\theta + d/2$ , from a corresponding end surface of said light pipe corresponding to a side in which said ridgeline of said prism-like irregularities of said light pipe drifts apart from said linear light source,

wherein  $\theta$  is an inclination angle of said ridgeline of said prism-like irregularities with respect to said incidence side surface, and

d is a distance between said incidence side surface and a front end surface of said linear light source.

- 5. (original): A reflection type liquid-crystal display device comprising a plane light source unit according to claim 1, and a liquid-crystal cell disposed on a lower surface of said plane light source unit, said liquid-crystal cell including a reflection layer.
- 6. (original): A reflection type liquid-crystal display device comprising a plane light source unit according to claim 2, and a liquid-crystal cell disposed on a lower surface of said plane light source unit, said liquid-crystal cell including a reflection layer.

AMENDMENT UNDER 37 C.F.R. § 1.111

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7. (original): A reflection type liquid-crystal display device comprising a plane light

source unit according to claim 3, and a liquid-crystal cell disposed on a lower surface of said

plane light source unit, said liquid-crystal cell including a reflection layer.

8. (original): A reflection type liquid-crystal display device comprising a plane light

source unit according to claim 4, and a liquid-crystal cell disposed on a lower surface of said

plane light source unit, said liquid-crystal cell including a reflection layer.

9. (previously presented): A plane light source unit according to claim 1, wherein the

information light on the lower surface of said light pipe is constituted by an image and the image

is visibly transmitted and made visible through the upper surface of said light pipe.

10. (previously presented): A plane light source unit according to claim 9, wherein the

image is provided by a liquid crystal cell, which is provided separately from said light pipe.

11. (new): A plane light source unit comprising:

a light pipe including an upper surface, a lower surface, and an incidence side surface,

and further including a light output means formed in proximity to the upper surface, wherein

light incident on the incidence side surface exits said light pipe from the lower surface through

the light output means and light incident on the lower surface is transmitted through the upper

surface; and

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a linear light source disposed adjacent to the incidence side surface of said light pipe, said linear light source having an effective light emission region which is longer than a longitudinal length of the incidence side surface,

wherein the light output means of said light pipe has a repetitive structure of prism-like irregularities, each of said prism-like irregularities being constituted by a combination of a short side surface and a long side surface and the short side surface is made of a slope inclined down from the incidence side surface toward an end side opposite to said incidence side surface at an inclination angle in a range of from 30 to 45 degrees with respect to a reference plane of the lower surface and the long side surface is made of a slope having an inclination angle in a range of from 0 to 10 degrees with respect to the reference plane.

12. (new): A plane light source unit as claimed in claim 11, wherein a difference between the inclination angles is not larger than 5 degrees as a whole, the difference between the inclination angles of adjacent long side surfaces is not larger than 1 degree, and a projected area of the long side surface on the reference plane is not smaller than five times as large as that of the short side surface.